



Vertical Instrument Display System (VIDS) Repair and Overhaul Capabilities



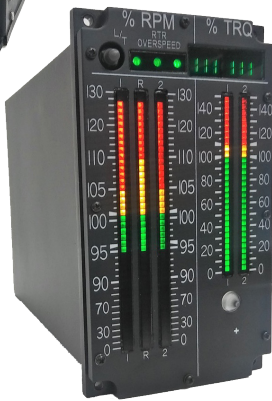
The VIDS includes the Signal Data Converter, Central Display Unit (CDU) Panel Indicator, and Pilot Display Unit (PDU).

Aerospace Maintenance Solutions, LLC (AMS) technicians are trained on the use of VIDS test equipment to check and record the Signal Data Converter's excitation signal voltage and excitation signal frequency. Environmental conditions are simulated, including high- and low-temperature stress tests and vibration stress tests on units.



The CDU provides cockpit monitoring of engine transmission and fuel quantity parameters, which provide continuous readouts by means of vertical optical analog scales. AMS tests the CDU's circuit boards, voltage regulator, analog display drivers, and digital readouts for proper functionality.

The PDU provides vertical scale representation of the following parameters: engine revolutions in % RPM, rotor speed in % RPM, and engine torque in % TRQ. AMS technicians test the displays for fuel quantity, voltage, engine oil pressure, and other warnings.



AMS repairs and overhauls most VIDS components in accordance with appropriate DMWRs for the UH-60's military end users. As some UH-60s are being transitioned to non-military applications, DMWR repair and test procedures require modifications to meet new customer requirements. In these cases, AMS works with customers to test, repair, and document the changes in accordance with new requirements and applications for UH-60s.

All tests and repair procedures are conducted and documented within the company's approved AS9110 Quality system.

AMS OVERVIEW COMPANY DATA

- Established 2005
- CAGE CODE: 449T3
- AS9110 certified to the scope of Design, Maintenance, Repair and Overhaul of Instrumentation, Electrical/Electronic System components, and Mechanical Accessories for Defense and Commercial Aircraft
- ITAR Compliant
- FAA AC 00-56A certified
- IPC -771/7721 and JSTD 001 standards
- FAA Air Agency Certificate: OKQR412Y with Instrument Class I, II, III, IV, Radio Class I and II, and Limited Radio ratings

CORE REPAIR CAPABILITIES

Electrical and Electronics, Flight Control Systems, Mechanical, including Hydraulics and Pneumatics, Gyroscopes and Accelerometers, Instruments, Power Generation, Power Control, Power Supplies, Radar and Radio, Countermeasures and Weapon Systems.

PAST PERFORMANCE

U.S. Air Force and other branches of the U.S. military, U.S. Department of Homeland Security, Aircraft OEM (e.g. Lockheed-Martin), foreign military allies (e.g. NATO forces), and Public Safety Aviation/Natural Disaster Response Operations.

CUSTOMER SATISFACTION

Lead times, cost, and other key performance indicators are monitored within AMS performance based logistics (PBL) systems and yearly customer survey reports.

CONTACT

AMS is located at 29401 Ambina Dr., Solon, OH 44139. Call 440-729-7703, fax 440-729-7704, or use the contact form at <http://aerospacellc.com/contact>.

Central Display Unit

Part Number	Alternate Number	NSN
100-481442-001	70450-21943-107	1680-01-201-1563
100-481442-002	70450-21943-108	1680-01-201-5632
100-481443-000	70450-21943-104	1680-01-164-4323
100-601136-000 100-601183-000	70450-01043-122	1680-01-228-1634
100-601346-000	70450-21943-115	1680-01-284-5122
100-601560-000	70450-01043-125	1680-01-342-0497
100-601575-000	70450-21943-118	1680-01-326-7922
100-601576-000	70450-01043-123	1680-01-325-1869
100-601580-000	70450-01916-105	1680-01-337-7546
100-478640-000	70450-01043-118	1680-01-136-5497
1006448-30	53291100-30	1680-01-541-8790
245-476852-000	70450-01043-110	1680-01-084-2257

Pilot Display Unit

Part Number	Alternate Number	NSN
100-473903-001	70450-21943-106	1680-01-207-2050
100-473903-002	70450-21943-109	1680-01-212-3061
100-481442-000	70450-21943-102	1680-01-164-4322
100-601347-000	70450-21943-114	1680-01-312-9499
100-601137-000 100-601184-000	70450-01043-121	1680-01-225-5633
100-601561-000	70450-01043-124	1680-01-342-0496
100-601581-000	70450-01916-104	1680-01-337-7545
1006448-10	53291200-10	1680-01-541-8824
1006448-70		1680-01-604-1759
1006848-10	53291200-10	1680-01-541-8824
1006848-30	53291200-30	1680-01-541-8825
1006848-50		1680-01-604-1754
245-476851-000	70450-01043-111	1680-01-084-2256

Signal Data Converter

Part Number	Alternate Number	NSN
100-481440-000	70450-21943-105	6615-01-172-9181
100-481440-001	70450-21943-110	6615-01-201-5630
100-601562-000	70450-01043-126	6620-01-342-0470
245-476850-000	70450-01043-112	5895-01586-9185
	70450-01801-103	6620-01-084-2255